

# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)

CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

**Contact No: 98433 46065, 84899 10651.**

Website:[www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email:[cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com),[principal602@gmail.com](mailto:principal602@gmail.com)

---

**Student centric methods, such as experiential learning, participative learning and problem solving methodologies are used for enhancing learning experiences using ICT tools**



# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

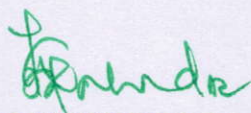
Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## INDEX

S.No	CONTENT
	<b>EXPERIENTIAL LEARNING</b>
1	Industrial Visit
2	Internship & IN-Plant Training
	<b>PARTICIPATIVE LEARNING</b>
1	Quiz Competition
2	Club Activities
3	Students Participation in Internal and External Events
4	Value Added Courses
5	Guest Lecture and Workshop
	<b>PROBLEM SOLVING METHODOLOGIES</b>
1	Tutorial
2	Mini Projects
3	Projects
	<b>ICT Tools</b>



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.


Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

## EXPERIMENTAL LEARNING

### 1. Industrial Visit

S.No	CLASS	DEPARTMENT NAME	COMPANY NAME	NO OF STUDENTS	DATE
1	II & III	COMPUTER SCIENCE AND ENGINEERING	CHIPS SOFTWARE SYSTEM	50	1-2-2019
2	II&III	ELECTRONICS AND COMMUNICATION ENGINEERING	SARANYA SPINNING MILLS (P) LTD	15	1-2-2019
3	III&IV	COMPUTER SCIENCE AND ENGINEERING	SMEC AUTOMATION	40	21-02-2020
4	II&III	COMPUTER SCIENCE AND ENGINEERING	INFO PARK INDIA PRIVATE LIMITED	40	21-02-2020
5	I&II&III	COMPUTER SCIENCE AND ENGINEERING	NESTSOFT SOFTWARE TRAIING INSTITUTE IN KERALA	60	21-02-2020
6	I&II&III	MECHANICAL ENGINEERING	ARMS TECH ENGINEER PRIVATE LIMITED	50	21-02-2020
7	II&III	ELECTRICAL AND ELECTRONICS ENGINEERING.	SPB INDUSTRIAL RELATIONS OFFICES	24	21-02-2020



  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D.  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

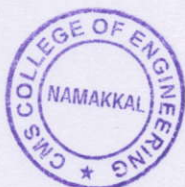
Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com



Glimpse of CMS students in Chips Software Systems Arena.  
(1-02-2019)



Saranya Spinning Mills (P) Ltd on (1-2-2019)



Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

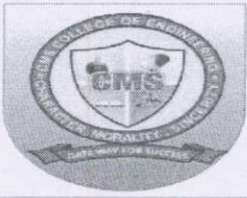


**SMEC AUTOMATION (P) LIMITED ON (21-02-2020)**



**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## 2. Internship & In-plant Training

S.No	NAME OF THE STUDENT	INTERN COMPANY	START DATE	END DATE
1	MANJULA K	UNIQ TECHNOLOGIES-SALEM	25/02/2019	28/02/2019
2	MANOVADHANA M	UNIQ TECHNOLOGIES-SALEM	25/02/2019	28/02/2019
3	MUTHURAGAVAN P	UNIQ TECHNOLOGIES-SALEM	25/02/2019	28/02/2019
4	PREETHI R	UNIQ TECHNOLOGIES-SALEM	25/02/2019	28/02/2019
5	SUBBULAKSHMI P	UNIQ TECHNOLOGIES-SALEM	25/02/2019	28/02/2019
6	AARTHI P	COSGRID SYSTEM (P) LTD	25/02/2019	28/02/2019
7	AKASH K	KSM (P) LTD	25/02/2019	28/02/2019
8	AMUTHA M	FIFTH GENERATION TECHNOLOGIES	25/02/2019	28/02/2019
9	DHARSHINI S	FIFTH GENERATION TECHNOLOGIES	25/02/2019	28/02/2019
10	DINESH A	FIFTH GENERATION TECHNOLOGIES	25/02/2019	28/02/2019
11	EVANGELIN EMIMA GRACE S	FIFTH GENERATION TECHNOLOGIES	25/02/2019	28/02/2019



*K. Mahadevan*  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL





# CMS COLLEGE OF ENGINEERING

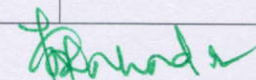
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

12	ISWARYA P	FIFTH GENERATION TECHNOLOGIES	25/02/2019	28/02/2019
14	KARTHIKA K	SYMTEC ENGINEERS (P) LTD	25/02/2019	28/02/2019
15	KASTHURI A	IGEEKS TECHNOLOGIES	25/02/2019	28/02/2019
16	KAVIYARASU K	KSM (P) LTD	6/1/2020	11/1/2020
17	KIRUBALAN A	SYMTEC ENGINEERS (P) LTD	6/1/2020	11/1/2020
18	LAKSHMI A	IGEEKS TECHNOLOGIES	6/1/2020	11/1/2020
19	MANIVEL M	SYMTEC ENGINEERS (P) LTD	6/1/2020	11/1/2020
20	MANORANJITHAM M	KSM (P) LTD	6/1/2020	11/1/2020
21	MATHESH R	IGEEKS TECHNOLOGIES	6/1/2020	11/1/2020
22	NANDHINI P	IGEEKS TECHNOLOGIES	6/1/2020	11/1/2020
23	PAVITHRA E	KSM (P) LTD	6/1/2020	11/1/2020
24	POOVARASAN L	SYMTEC ENGINEERS (P) LTD	6/1/2020	11/1/2020
25	PRATHIBA R	SYMTEC ENGINEERS (P) LTD	6/1/2020	11/1/2020
26	PRIYADHARSHINI E	UNIQ TECHNOLOGIES- SALEM	9/3/2021	13/03/2021
27	RAMYA M	UNIQ TECHNOLOGIES- SALEM	9/3/2021	13/03/2021



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D.  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,





# CMS COLLEGE OF ENGINEERING

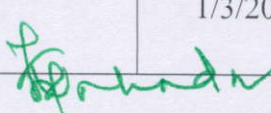
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

28	RESHMA R	IGEEKS TECHNOLOGIES	9/3/2021	13/03/2021
29	SAHANAVARSHNI C S	QMAX SYSTEMS	9/3/2021	13/03/2021
30	SANGAVI S	QMAX SYSTEMS	9/3/2021	13/03/2021
31	SANJAY S	UNIQ TECHNOLOGIES- SALEM	9/3/2021	13/03/2021
32	SUSANTHIKA B	SYMTEC ENGINEERS (P) LTD	9/3/2021	13/03/2021
33	VEERAKUMAR N	UNIQ TECHNOLOGIES- SALEM	9/3/2021	13/03/2021
34	VIGNESH C	SYMTEC ENGINEERS (P) LTD	9/3/2021	13/03/2021
35	PRIYA A	KSM (P) LTD	9/3/2021	13/03/2021
36	THAMARAI SELVI M	SYMTEC ENGINEERS (P) LTD	9/3/2021	13/03/2021
37	DHARSHINI C	UNIQ TECHNOLOGIES- SALEM	9/3/2021	13/03/2021
38	ANISHA V	IGEEKS TECHNOLOGIES	1/3/2021	5/3/2021
39	BALAMURUGAN.R	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
40	BELAGIRI.M	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
41	MANIMARAN.C	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

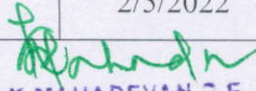
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

42	NISHANTHI.E	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
43	RAGHINI.K	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
44	SIVA.M	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
45	ABARNA.K	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
46	ANJALI.A	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
47	BIRUNTHA.S	SYMTEC ENGINEERS (P) LTD	1/3/2021	5/3/2021
48	DIVYA.M	QMAX SYSTEMS	22/3/2021	27-03-2021
49	MADHUMATHI.S	QMAX SYSTEMS	22/3/2021	27-03-2021
50	MATHESH.L	QMAX SYSTEMS	22/3/2021	27-03-2021
51	MURUGAMMA.M	QMAX SYSTEMS	22/3/2021	27-03-2021
52	PAVITHRA.C	QMAX SYSTEMS	22/3/2021	27-03-2021
53	PRIYADHARSHINI.R	QMAX SYSTEMS	22/3/2021	27-03-2021
54	SATHASIVAN.D	SAI POWERRZERVE	2/5/2022	6/5/2022
55	SATHYA.G	SAI POWERRZERVE	2/5/2022	6/5/2022
56	SOUNDHARYA.S	SAI POWERRZERVE	2/5/2022	6/5/2022
57	BIRUNDHA.R	SAI POWERRZERVE	2/5/2022	6/5/2022



  
Dr. K. MAHADEVAN, G.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

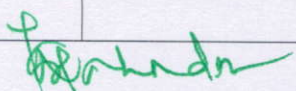
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

58	JAYAKUMAR	SAI POWERRZERVE	2/5/2022	6/5/2022
59	KALVIKAZHAGI	SAI POWERRZERVE	2/5/2022	6/5/2022
60	ARUL MURUGAN M	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
61	CHANDRU M	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
62	DHARMARAJ R	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
63	DHINESH M	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
64	GOBINATH G	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
65	GUNASEKARAN D	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
66	KALIA MOORTHY M	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
67	KARTHIKEYAN P	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
68	KARTHIKEYAN R	INNORAT LABS PRIVATE LIMITED	16/05/2022	21/05/2022
69	KIDHIYON T	SYMTEC ENGINEERS (P) LTD	8/2/2023	12/2/2023
70	LESLEY BRITTO S	UNIQU TECHNOLOGIES- SALEM	8/2/2023	12/2/2023



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

71	LOGANATHAN P	SYNQCLOUD INC	8/2/2023	12/2/2023
72	LUKESH S	SOLINAS INTEGRITY (P) LTD	8/2/2023	12/2/2023
73	MUNESWARAN A	UNIQ TECHNOLOGIES-SALEM	8/2/2023	12/2/2023
74	PRAKASH E	ROWIDO LLP (P) LTD	8/2/2023	12/2/2023
75	PRAVEENKUMAR R	SOLINAS INTEGRITY (P) LTD	8/2/2023	12/2/2023
76	PREMNATH A	IDEA FORGE (P) LTD	8/2/2023	12/2/2023
77	PRIYA A	INNOTRAT LABS PRIVATE LIMITED	13/03/2023	18-03-2023
78	RANJITH S	INNOTRAT LABS PRIVATE LIMITED	13/03/2023	18-03-2023
79	SARANRAJ E	UNIQ TECHNOLOGIES-SALEM	13/03/2023	18-03-2023
80	SIVAKUMAR P	ROWIDO LLP (P) LTD	13/03/2023	18-03-2023
81	SURESH V	IDEA FORGE (P) LTD	13/03/2023	18-03-2023
82	SURYA E	INNOTRAT LABS PRIVATE LIMITED	13/03/2023	18-03-2023
83	SURYA M	IDEA FORGE (P) LTD	13/03/2023	18-03-2023
84	VENKATESH BABU R	SYNQCLOUD INC	13/03/2023	18-03-2023
85	VETRISSELVAN R	IDEA FORGE (P) LTD	13/03/2023	18-03-2023
86	VIGNESHWARAN R	IDEA FORGE (P) LTD	13/03/2023	18-03-2023



Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

87	VIVEK D	ROWIDO LLP (P) LTD	13/03/2023	18-03-2023
88	YUVANRAJ G	SOLINAS INTEGRITY (P) LTD	13/03/2023	18-03-2023

Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003







# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

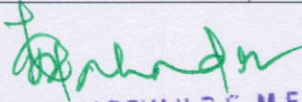
Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

## PARTICIPATIVE LEARNING

### 1. Quiz competition

S.No	TEAM NAME	TITLE	TEAM LEADER
1	BRAINIACS	GENERAL KNOWLEDGE QUIZ	K.MAHESHKUMAR
2	MAVERICKS	WORD QUIZ	S.DHINESH



  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D.  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)



*K. Mahadevan*  
**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

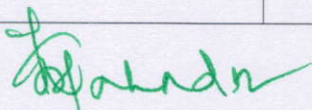
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

## 2. Club Activities

S.No	NAME OF THE CLUB	NAME OF THE ORGANIZER	DATE OF THE EVENT	PLATFORM	NO OF PARTICIPANTS	EVENT NAME
1	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS	11/11/18	GOVERNMENT HIGHER SECSCHOOL,VELAGOUNDAMPATTY	25	AWARENESS PROGRAMME ON CHILD LABOUR
2	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS	22/03/19	CMS COLLEGE OF ENGINEERING	25	LEAVING NO ONE BEHIND (SAVE WATER)
3	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS	30/03/19	CMS COLLEGE OF ENGINEERING	30	AWARENESS OF TOBACCO.
4	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS	25/01/ 19	CMS COLLEGE OF ENGINEERING	18	VOTERS DAY PLEDGE
5	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS,C MSCE	5/2/20	CMS COLLEGE OF ENGINEERING (GOOGLE MEET)	50	CORONA VIRUS PREVENTION AND AWARENESS PROGRAM
6	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS,C MSCE	14/04/ 20	CMS COLLEGE OF ENGINEERING	72	"FIRE SAFETY"



  
Dr.K.MAHADEVAN,B.E.,M.E.,Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

7	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	12/10/21	CMS COLLEGE OF ENGINEERING	25	E WASTE AWARENESS PROGRAM ("YOU CAN RECYCLE ANYTHING WITH A PLUG, BATTERY OR CABLE!")
8	NATIONAL SERVICE SCHEME	CMSCE	15/02/22	CMS COLLEGE OF ENGINEERING	50	SCIENCE EXHIBITION
9	NATIONAL SERVICE SCHEME	CMS COLLEGE OF ENGINEERING	25/02/22	CMS COLLEGE OF ENGINEERING	100	VOTERS DAY PLEDGE
10	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	18/02/23	KONGUNADU MATRIC HR SEC SCHOOL, VELAGOUNDAMPATTI	50	SELF DEFENSE AWARENESS PROGRAM
11	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	11/8/23	VELAGOUNDAMPATTI	50	DRUG FREE TAMILNADU
12	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	8/3/23	CMSCE SEMINAR HALL	50	INTERNATIONAL WOMAN'S DAY ACCELERATING EQUALITY AND EMPOWERMENT



*K. Mahadevan*  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-3





# CMS COLLEGE OF ENGINEERING

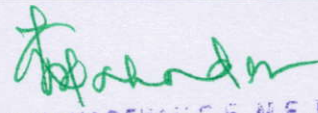
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

						NT
13	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	12/10/22	CMS COLLEGE OF ENGINEERING	150	CYBER CRIME AWARENESS PROGRAM
14	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	27/02/23	CMS COLLEGE OF ENGINEERING	40	SWACHH BHARAT
15	NATIONAL SERVICE SCHEME	NSS PROGRAMME OFFICERS, CMSCE	8/6/22	CMS COLLEGE OF ENGINEERING	35	YOGA AWARENESS PROGRAM
16	NCC UNIT ,NSS UNIT CMSCE	NSS PROGRAMME OFFICERS	27/02/23	CMS COLLEGE OF ENGINEERING	40	SWACHH BHARAT



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003



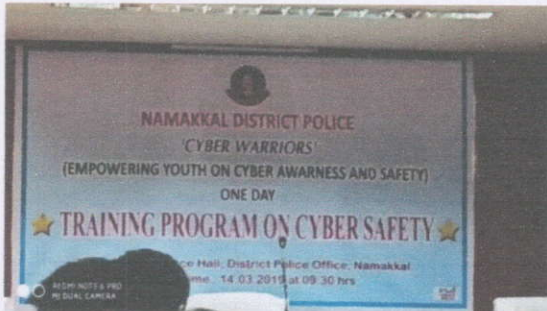


# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

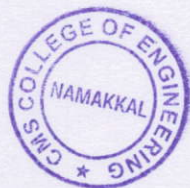
Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)



**Cyber Crime Awareness Program**



**Students Pledge on Water Conservation**



**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)



“Swachh Bharat”



CORONA virus Prevention and Awareness Program



**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)



**“Drug Free Tamilnadu”**



**“International woman’s day Accelerating Equality and Empowerment”**

**Dr. K. MAHADEVAN, B.E.,M.E.,Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.







# CMS COLLEGE OF ENGINEERING


(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## Student's Participation In Internal And External Events

S.No	YE A R	STUDENTS NAME	EVENT	ORGANIZATIO N	DATE	PARTICIPATED / WINNERS
1	II	PRAKSH S	PAPER PRESENTATIO N	Gnanamani college of Technology	8/10/2022	Participated
2	II	ASHARAF ALI	PAPER PRESENTATIO N	Gnanamani college of Technology	8/10/2022	Participated
3	I	SUJILKUMAR	PAPER PRESENTATIO N	Gnanamani college of Technology	7/5/2022	Participated
4	II	PRAKSH S	PAPER PRESENTATIO N	Selvam College of Technology	29/09/202 2	Participated
5	I	ARUL MURUGAN	TECHNICAL QUIZ	Gnanamani college of Technology	8/10/2022	Participated
6	II	BOOBALAN	PAPER PRESENTATIO N	Gnanamani college of Technology	8/10/2022	Participated
7	II	SANJAY	TECHNICAL QUIZ	Gnanamani college of Technology	8/10/2022	Participated
8	II	ARUL MURUGAN	TECHNICAL EVENT	AKT Memorial college of Technology	28/09/202 2	Participated
9	II	ARUL MURUGAN	PAPER PRESENTATIO N	AKT Memorial college of Technology	28/09/202 2	Participated



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com



*[Signature]*

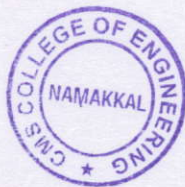
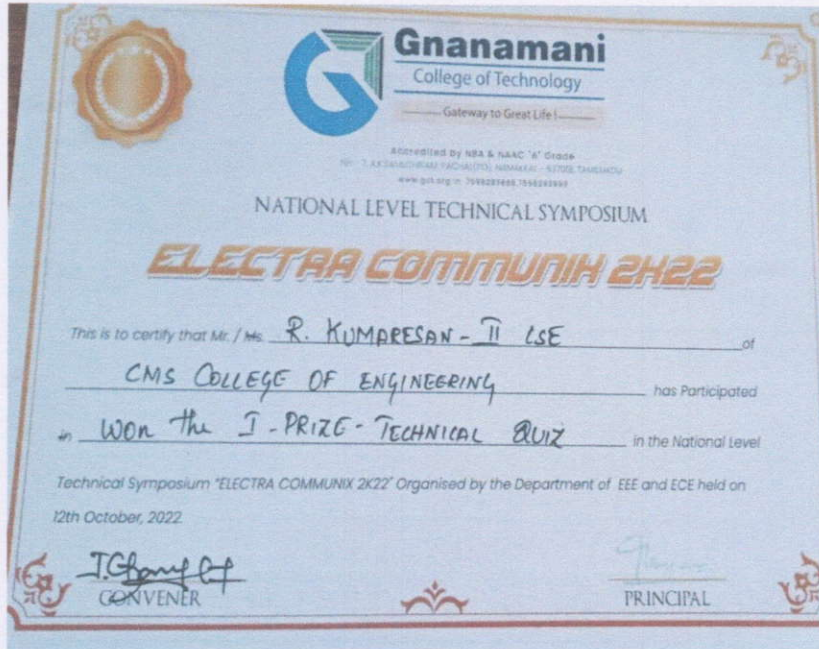
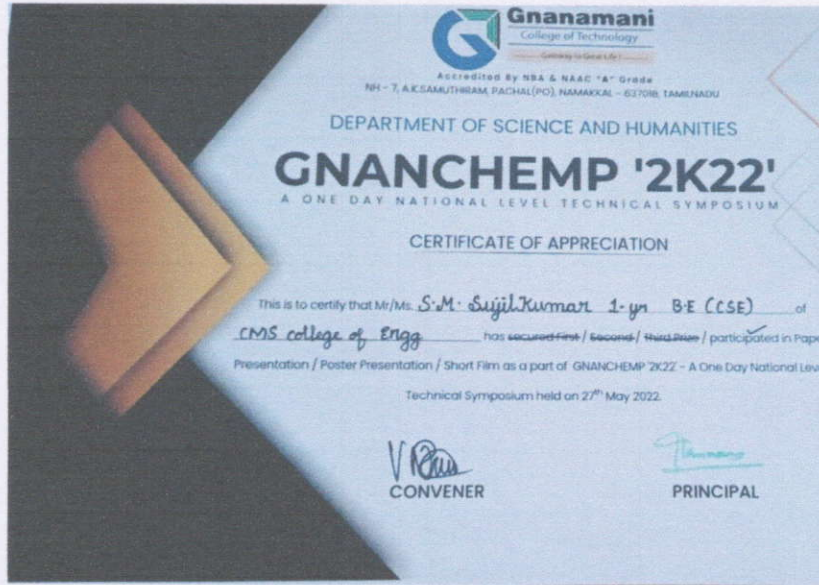
**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003,





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.  
Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com



*[Signature]*

**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

## 4. VALUE ADDED COURES

### Department of Computer Science and Engineering

#### Web Development

S.No	DATE	TIME	TOPICS TO DISCUSS AND INTERNAL RESOURCE PERSON
1	04.08.2018	4.30 PM TO 6.00 PM	History of the Internet and World Wide Web – HTTP, SMTP, POP3, MIME Dr.K.Somasundaram, Professor, CIT
2	05.08.2018	4.30 PM TO 6.00 PM	Structure of HTML Dr.K.Somasundaram, Professor, CIT
3	06.08.2018	4.30 PM TO 6.00 PM	CSS Style Dr.K.Somasundaram, Professor, CIT
4	07.08.2018	4.30 PM TO 6.00 PM	Hyperlink Dr.K.Somasundaram, Professor, CIT
5	08.08.2018	4.30 PM TO 6.00 PM	Added image in html page Dr.K.Somasundaram, Professor, CIT
6	09.08.2018	4.30 PM TO 6.00 PM	Frames Dr.K.Somasundaram, Professor, CIT
7	11.08.2018	4.30 PM TO 6.00 PM	Embedding audio, video and animated files in HTML Dr.K.Somasundaram, Professor, CIT
8	16.08.2018	4.30 PM TO 6.00 PM	Properties - font ,background image,html image,video,audio Dr.K.Somasundaram, Professor, CIT
9	18.08.2018	4.30 PM TO 6.00 PM	Introduction JavaScript Dr.K.Somasundaram, Professor, CIT
10	20.08.2018	4.30 PM TO	Java Script functions Dr.K.Somasundaram, Professor, CIT



*Dr. K. Mahadevan*  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL - 637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

		6.00 PM	
11	22.08.2018	4.30 PM TO 6.00 PM	Event Dr.K.Somasundaram, Professor, CIT
12	24.08.2018	4.30 PM TO 6.00 PM	ASP Dr.K.Somasundaram, Professor, CIT
13	25.08.2018	4.30 PM TO 6.00 PM	ASP-XML-Structure Dr.K.Somasundaram, Professor, CIT
14	28.08.2018	4.30 PM TO 6.00 PM	DTD Structure Dr.K.Somasundaram, Professor, CIT
15	29.08.2018	4.30 PM TO 6.00 PM	Apache web server. Dr.K.Somasundaram, Professor, CIT
16	31.08.2018	4.30 PM TO 6.00 PM	Introduction PHP Dr.K.Somasundaram, Professor, CIT
17	1.09.2018	4.30 PM TO 6.00 PM	Introduction MySQL Dr.K.Somasundaram, Professor, CIT
18	3.09.2018	4.30 PM TO 6.00 PM	Array Function Dr.K.Somasundaram, Professor, CIT
19	05.09.2018	4.30 PM TO 6.00 PM	Building Forms from Queries .Dr.K.Somasundaram, Professor, CIT
20	08.09.2018	4.30 PM TO 6.00 PM	Web Scripting methodology Dr.K.Somasundaram, Professor, CIT
21	11.09.2018	4.30 PM TO 6.00 PM	Control statement Dr.K.Somasundaram, Professor, CIT
22	14.09.2018	4.30 PM TO 6.00 PM	Discussion Dr.K.Somasundaram, Professor, CIT

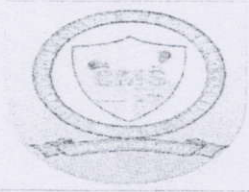


Dr.K.MAHADEVAN, B.E., M.E., Ph.D

PRINCIPAL

CMS COLLEGE OF ENGINEERING,  
NAMAKKAL 637 003





# CMS COLLEGE OF ENGINEERING

Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India  
Contact No: 98433 46065, 84899 10651.

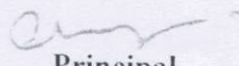
Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegecfengg@gmail.com](mailto:cmscollegecfengg@gmail.com) [principal602@gmail.com](mailto:principal602@gmail.com)

## Department of Computer Science and Engineering

31.07.2018

### CIRCULAR


This is to bring to your kind notice that our Department of Computer Science and Engineering has planned to conduct a value added program on **Web Development** from 04.08.2018 to 14.09.2018. The session will be coordinated by **K.MAHESH KUMAR, AP/ CSE**. All the students are intimated to attend the program in order to enrich their knowledge.

  
Principal  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003.

Copy to

1. HOD
2. Notice Board



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website:www.cmsgroupofinstitutions.in Email:cmscollegeofengg@gmail.com.principal602@gmail.com

## GUEST LECTURE AND WORKSHOP

S.No	DATE	TOPIC	GUEST SPEAKER	FACULTY COUNT	STUDENTS
1	25.02.2019	ANDROID PROGRAMMING WITH FIREBASE	MS. M.ARCHANA DEVI	8	65
2	18.01.2020	EDGE COMPUTING	Mr. E. Gowtham	5	50
3	13.02.2019	“CURRENT SCENARIO OF IPR IN INDIA	C.Thangaraju,MBA,M.Phil [Ph.D]	4	25
4	05.08.2019	COMMUNICATION SYSTEM IN RADIO ASTRONOMY	Dr. O. Cyril Mathew M.E.,Ph.D.,	3	50
5	21.01.2020	“PSYCHOLOGY OF SUCCESSFUL ENTREPRENEURS	Mrs.V.Saratha	4	40



Dr.K.MAHADEVAN,B.E.,M.E.,Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003




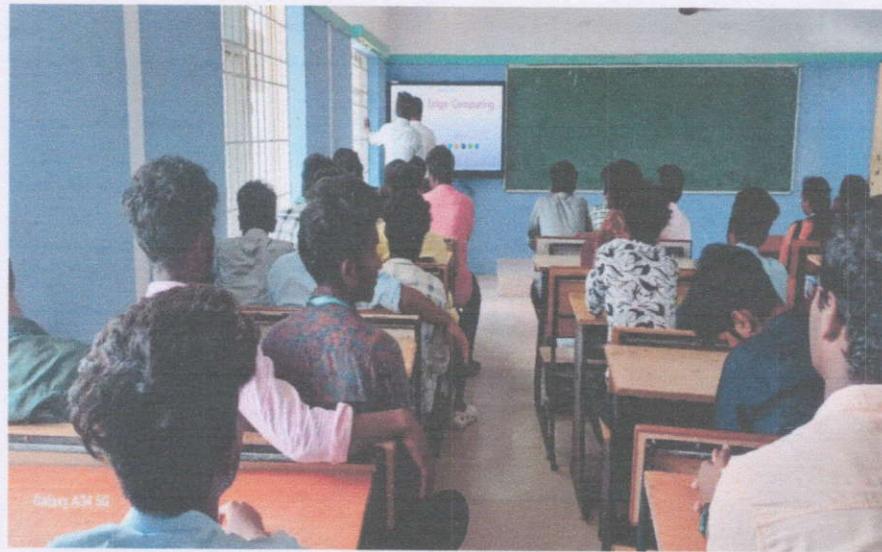


# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

<p><b>REGISTRATION FORM</b></p> <p>Name : _____</p> <p>Institution : _____</p> <p>Phone : _____</p> <p><b>CHIEF GUEST</b> <b>Mr.E.Gowtham</b> Senior Engineer</p> <p><b>COORDINATOR</b> <b>Mr.M.Azhagesan</b> Assistant Professor, Computer Science and Engineering, CMS college of Engineering.</p> <p><b>STUDENT-COORDINATOR</b> <b>S. Sanjay</b> 7358913328</p> <p><b>REGISTRATION FEES - ₹100</b></p>	<p><b>DEPARTMENT PROFILE :</b></p> <p>Department of Computer Science and Engineering was established in the year 2007 with the objective of imparting quality education in the field of Computer Science &amp; Engineering. The Department of Computer Science &amp; Engineering strives for excellence in creating, applying, and imparting knowledge in Computer Science &amp; Engineering through comprehensive educational programs, research in collaboration with industry and dissemination through scholarly publications. We sincerely strive to develop proactive, enterprising students with an intent to learn and eagerness to excel.</p> <p><b>VISION :</b></p> <p>To become a Centre of Academic Excellence and Advanced Research in the field of Computer Science and Engineering and develop professionals who can meet with societal issues.</p> <p><b>MISSION :</b></p> <p>To create an optimal environment featuring state-of-the-art technological infrastructure, structured teaching-learning atmospheres, and industry engagement within the field of Computer Science and Engineering.</p> <ul style="list-style-type: none"> <li>To foster the growth of graduates with exceptional technical expertise and entrepreneurial acumen, while promoting a desire for advanced education in Computer Science and Engineering. Equip them with the essential skills to address real-world challenges effectively.</li> <li>To in still in graduates a strong sense of social responsibility, a positive attitude, discipline, and a commitment to leveraging their professional expertise for the betterment of society.</li> </ul>	<p><b>WORKSHOP</b></p> <p><b>ON</b></p> <p><b>"EDGE COMPUTING"</b></p> <p><b>Organized by</b></p>  <p><b>CMS COLLEGE OF ENGINEERING</b> <b>NAMAKKAL</b> <b>DEPARTMENT OF CSE</b></p> <p><b>VENUE : Seminar hall</b></p> <p><b>TIME : 10.00 AM 04.00PM</b></p> <p><b>DATE : 18th January 2020</b></p>
---	---	---



*K. Mahadevan*

**Dr. K. MAHADEVAN, B.E.,M.E.,Ph.D.,**  
**PRINCIPAL**  
**CMS COLLEGE OF ENGINEERING,**  
**NAMAKKAL - 637 003.**





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)


**CMS COLLEGE OF ENGINEERING**  
Approved by AICTE, New Delhi & Affiliated to Anna University & DOTE, Chennai.  
CMS Nagar, Eranapuram Post, Near Collectorate, Namakkal-637003.

**IPR based seminar**  
ON  
**CURRENT SCENERIO OF IPR IN INDIA**

DATE:13.02.2019

**CHIEF GUEST**  
**C.Thangaraju, MBA, M.Phil[Ph.D]**  
Annai Mathammal Sheela Engineering College,  
Erumapatty



  
**Dr. K. MAHADEVAN, B.E., M.E., Ph.D.,**  
PRINCIPAL  
**CMS COLLEGE OF ENGINEERING,**  
NAMAKKAL - 637 003.





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

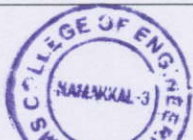
Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

## PROBLEM SOLVING METHODOLOGIES

### 1. Tutorial

### CS8501- THEORY OF COMPUTATION

S.No	Topic	Unit	Teaching Aids
1	Problem based on Deterministic Finite Automata	I	Green board University QP
2	Problem based on Non-Deterministic Finite Automata	I	Green board University QP
3	Problem based Finite Automata with Epsilon Transitions	I	Green board University QP
4	Problem based on Regular Expression	II	Green board University QP
5	Problem based on pushdown Automata	II	Green board University QP
6	Problem based on Minimization of Automata	II	Green board University QP
7	Problem based Deterministic Pushdown Automata Transition	III	Green board University QP
8	Problem based on leftmost and Right most Derivation	III	Green board University QP
9	problem based on Removal of useless symbols	IV	Green board University QP
10	problem based on normal Forms for CFG	IV	Green board University QP
11	problem based on normal Forms Pumping Lemma for CFL	IV	Green board University QP



*K. Mahadevan*  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

12	problem based on Closure Properties of CFL	IV	Green board University QP
13	Problem based on Turing Machine	IV	Green board University QP
14	problem based on RE	V	Green board University QP
15	problem based on NP &P	V	Green board University QP
16	Problem based on Posts Correspondence	V	Green board University QP



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## Sample questions

1	<p>(i) <b>Compose</b> that a language L is accepted by some <math>\epsilon</math>-NFA if and only if L is accepted by some DFA.</p> <p>(ii) <b>Consider</b> the following <math>\epsilon</math>-NFA. Compute the <math>\epsilon</math>-closure of each state and find its equivalent DFA.</p> <table border="1" data-bbox="323 674 810 875"> <tr> <td></td> <td><math>\epsilon</math></td> <td>a</td> <td>b</td> <td>C</td> </tr> <tr> <td><math>\rightarrow p</math></td> <td><math>\phi</math></td> <td>{p}</td> <td>{q}</td> <td>{r}</td> </tr> <tr> <td>q</td> <td>{p}</td> <td>{q}</td> <td>{r}</td> <td><math>\phi</math></td> </tr> <tr> <td>*r</td> <td>{q}</td> <td>{r}</td> <td><math>\phi</math></td> <td>{p}</td> </tr> </table>		$\epsilon$	a	b	C	$\rightarrow p$	$\phi$	{p}	{q}	{r}	q	{p}	{q}	{r}	$\phi$	*r	{q}	{r}	$\phi$	{p}
	$\epsilon$	a	b	C																	
$\rightarrow p$	$\phi$	{p}	{q}	{r}																	
q	{p}	{q}	{r}	$\phi$																	
*r	{q}	{r}	$\phi$	{p}																	
2	<p><b>Classify</b> how a language L is accepted by some DFA if L is accepted by some NFA Convert the following NFA to its equivalent DFA.</p> <table border="1" data-bbox="419 1025 954 1238"> <tr> <td></td> <td>0</td> <td>1</td> </tr> <tr> <td>p</td> <td>{p,q}</td> <td>{p}</td> </tr> <tr> <td>q</td> <td>{r}</td> <td>{r}</td> </tr> <tr> <td>r</td> <td>{s}</td> <td><math>\phi</math></td> </tr> <tr> <td>*s</td> <td>{s}</td> <td>{s}</td> </tr> </table>		0	1	p	{p,q}	{p}	q	{r}	{r}	r	{s}	$\phi$	*s	{s}	{s}					
	0	1																			
p	{p,q}	{p}																			
q	{r}	{r}																			
r	{s}	$\phi$																			
*s	{s}	{s}																			
3	<p>i) <b>Construct</b> the DFA to recognize odd number of 1's and even number of 0's ii) <b>Construct</b> the DFA over {a,b} which produces not more than 3a's</p>																				
4	<p>(i) <b>Point out</b> the steps in conversion of NFA to DFA and for the following convert NFA to a DFA</p> <table border="1" data-bbox="228 1570 483 1749"> <tr> <td><math>\delta</math></td> <td>a</td> <td>b</td> </tr> <tr> <td>p</td> <td>{p}</td> <td>{p,q}</td> </tr> <tr> <td>q</td> <td>{r}</td> <td>{r}</td> </tr> <tr> <td>r</td> <td><math>\phi</math></td> <td><math>\phi</math></td> </tr> </table>	$\delta$	a	b	p	{p}	{p,q}	q	{r}	{r}	r	$\phi$	$\phi$								
$\delta$	a	b																			
p	{p}	{p,q}																			
q	{r}	{r}																			
r	$\phi$	$\phi$																			
5	<p><b>Examine</b> the string "aabbabbba" for the Grammar G with  <math>S \rightarrow aB bA</math>  <math>A \rightarrow a aS bA</math>  <math>AB \rightarrow b bS aBB</math></p>																				



*K. Mahadevan*  
 Dr. K. MAHADEVAN, B.E., M.E., Ph.D.  
 PRINCIPAL  
 CMS COLLEGE OF ENGINEERING,  
 NAMAKKAL - 637 003





# CMS COLLEGE OF ENGINEERING

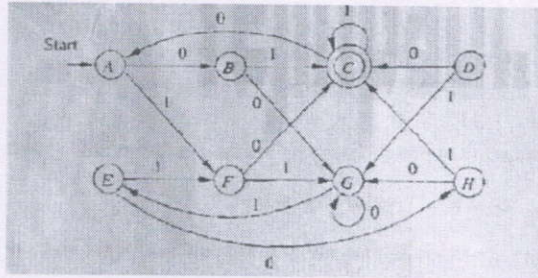
(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
 CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

6

Identify and explain the algorithm for minimizations of DFA. Using the above algorithm minimize the following DFA.



7

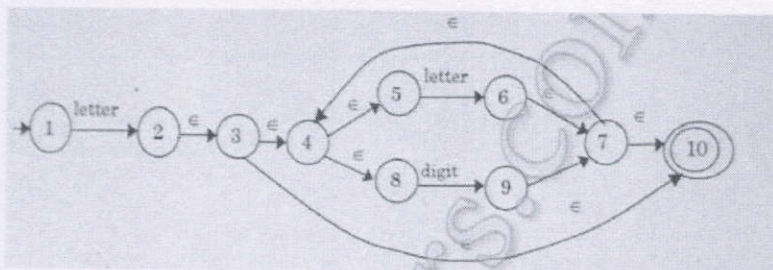
Tabulate the difference between the NFA and DFA. Convert the following  $\epsilon$ -NFA to DFA.

states	$\epsilon$	a	b	c
p	$\Phi$	{p}	{q}	{r}
q	{p}	{q}	{r}	$\Phi$
*r	{q}	{r}	$\Phi$	{p}

8

(i) Describe the extended transition function for NFA, DFA and  $\epsilon$ -NFA

(ii) Consider the following  $\epsilon$ -NFA for an identifier. Consider the  $\epsilon$ -closure of each state and give its equivalent DFA.



*K. Mahadevan*  
 Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
 PRINCIPAL  
 CMS COLLEGE OF ENGINEERING,  
 NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

9	<b>Given</b> $\Sigma = \{a,b\}$ Analyze and construct a DFA which recognizes the language $L = \{b^m a b^n : m,n > 0\}$
10	(i) <b>Analyze</b> and Prove that if $n$ is a positive integer such that $n \bmod 4$ is 2 or 3 then $n$ is not a perfect square. (ii) <b>Construct</b> a DFA that accepts the string $\{0,1\}$ that always ends with 00
11	<b>Demonstrate</b> how the set $L = \{a^n b^n / n \geq 0\}$ is not regular
12	<b>Infer</b> the DFA which is accepting the following language over the alphabet $\{0,1\}$ . The set of all the strings beginning with a 1 that when interpreted as a binary integer, is multiple of 5. For example strings 101, 1010 and 1111 are in the language, 0, 100 and 111 are not.
13	<b>Rewrite</b> the basic approach to convert from NFA to regular expression. Illustrate with an example
14	<b>Construct</b> NFA for given RE using Thomson rule. (13) i) $a.(a+b)^* ab$ ii) $(a.b)^*$
15	i) Prove The reverse of a regular language is regular ii) A homomorphism of regular language is regular
16	<b>Demonstrate</b> how the set $L = \{a^n b^n / n \geq 0\}$ is regular.



*K. Mahadevan*  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL

CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

17	<p><b>Construct</b> NDFA for given RE using Thomson rule.</p> <p>i) <math>a.(a+b)^* ab</math> ii) <math>(a.b)^*</math> iii) <math>(a+b)</math></p>
18	<p>Explain the DFA Minimization algorithm with an Example.</p>
19	<p>i) <b>Prove</b> the L1 and L2 are two languages then <math>L1 \cup L2</math> is regular Prove the L1 and L2 are two languages then <math>L1 \cap L2</math> is regular</p> <p>ii) <b>Prove</b> the L1 and L2 are two languages then <math>L1 - L2</math> is regular <b>Prove</b> the L1 and L2 are two languages then <math>L1 \cdot L2</math> is regular</p>



Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## 2. Mini project

S.No	REGISTER NUMBER	STUDENT NAME	TOPIC	SUPERVISOR NAME
1	620517114001	AJITH KUMAR M	3 SPEED GEARBOX MECHANISM	MR. SELVAKUMAR M
	620517114004	ARIVUMANI V		
	620517114013	GEORGEFERNANDEZ J		
	620517114018	KUMARAVEL.G		
2	620517114014	GOKUL BALAN M	MINI MECHANICAL WIRE & ROD CUTTER MACHINE	MR. GOPAL G
	620517114023	MUTHUMANI K		
	620517114033	RANJITH A		
	620517114039	VENKATESH.C		
3	620517114006	BALAMURUGAN B	SINGLE STAGE GEAR REDUCER PROJECT	MR. SARANRAJ E
	620517114012	ELAMBARUTHI B		
	620517114016	KARUNAKARAN.S		
	620517114025	PAZHANIBARATHI P		
4	620517114028	PRABHAKARAN K	PULLEY BASED MOVABLE CRANE ROBOT	MR. NALVEL KUMARAN S M
	620517114038	THAMIZHARASAN.E		
	620517114034	SANTHOSH KUMAR.S		
	620517114040	VINOTH KUMAR K		
5	620517114003	ALLWIN V	DRAIN WASTE WATER CLEANER	MR. MANIVEL R
	620517114008	CHANDRU T		



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

	620517114021	MOHANDASS M		
	620517114032	PRIYADHARSHAN M		
6	620517114007	BHARATHI P	PLASTIC BOTTLE CRUSHER MACHINE	MR. SATHISHKUMAR T
	620517114015	HARI HARAN S		
	620517114027	POOVARASAN.M		
7	620517105003	ARJUN S	ADVANCE CAR PARKING SYSTEM USING ARDUINO	MR.D.MANOHAR,
	620517105004	DHINATHAYALAN		
	620517105008	MANIKANDAN M		
	620517105013	SUBASH R		
8	620518104001	ANISHA	DRIVER DROWSINESS DETECTION USING PYTHON AND OPENCV	S.DHINESH AP/CSE
	620518104002	ARTHI M		
9	620518104004	GOKUL M	SECURE AND OPTIMUM ENERGY BASED TRANSMISSION IN WSN NETWORKS	T.MAHESWARAN T AP/CSE
	620518104006	MANJULA K		
10	620518104007	MANOVADHANA M	THE HIDDEN VIRUS PROPAGATION EFFECT OF A SEARCH ENGINE IN SOCIAL NETWORK	K.MAHESHKUMAR AP/CSE
	620518104008	MUTHURAGAVAN P		
11	620518104009	PREETHI R	CELLULAR AUTOMATA	K.RAMYA AP/CSE



*Dr. K. Mahadevan*  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India.  
**Contact No: 98433 46065, 84899 10651.**

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

	620518104010	SUBBULAKSHMI P	FOR MOBILE AD-HOC USING ENERGY AWARE ROUTING PROTOCOL	
12	620518104011	SURYA M	MEDICAL RECORDS MANAGEMENT FOR HEALTHCARE APPLICATIONS IN BIGDATA	M.AZHAGESAN AP/CSE
	620518104012	VIGNESH M		



Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING


(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

## 3. Project DEPARTMENT OF MECHANICAL ENGINEERING ACADEMIC YEAR 2019-20

S.NO	REGISTER NUMBER	STUDENT NAME	TOPIC	SUPERVISOR NAME
1	620516114002	ARUNRAJ	CAR SAFETY SYSTEM WITH AIRBAG NOTIFICATION	MR. SELVAKUMAR M
	620516114004	BALAMURUGAN		
	620516114017	MUNIVEL		
	620516114034	SARAVANAN		
2	620516114012	MAHESH KUMAR	INDUSTRIAL PRODUCTION LINE COUNTER SYSTEM	MR. GOPAL G
	620516114015	MOHAMED HARUN RAZEETH		
	620516114022	POOVARASAN		
	620516114029	SABARINATHAN		
3	620516114041	SIVARAMACHANDRAN	DRINK & DRIVE DETECTION WITH IGNITION LOCK PROJECT	MR. MANIVE L R
	620516114049	VIGNESH		
	620516114301	GOKUL		
	620516114302	SAKTHIVEL		



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





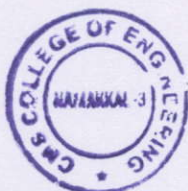
# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

4	620516114001	ARULNANDAN	SOLAR FLOOR CLEANER ROBOT	MR.SATHEESHKUMAR P
	620516114005	DINESH		
	620516114014	MANOJ		
	620516114027	RADHAKRISHNAN		
5	620516114003	BALAGURU	EXPERIMENTAL INVESTIGATION OF GLASS FIBER EPOXY REINFORCED WITH COCONUT AND COIR FIBER	MR.ASHOKKUMAR D
	620516114013	MANIKANDAN		
	620516114023	POWELL JOHN THOMAS		
	620516114038	SATHYAMOORTHY		
6	620516114016	MOHAMED SHARIF	HYDRAULIC PIPE BENDING MACHINE PROJECT	MR. SARANRAJ E
	620516114030	SAKTHIVEL		
	620516114036	SATHISH KUMAR		
	620516114042	SORUPKEERTHI		
7	620516114006	GOPALAKRISHNAN	INDUSTRIAL PRODUCTION TARGET COUNTER DISPLAY SYSTEM	MR. SATHISHKUMAR T
	620516114020	NIRMAL RAJ		
	620516114033	SARAVANA KUMAR		
	620516114039	SATHYAMOORTHY		



*K. Mahadevan*  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING


(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

8	620516114032	SANTHOSH	COCONUT DEHUSKING MACHINE PROJECT	MR. TAMILARASAN D
	620516114037	SATHISH KUMAR		
	620516114043	SURESH		



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.

Contact No: 98433 46065, 84899 10651.

Website: www.cmsgroupofinstitutions.in Email: cmscollegeofengg@gmail.com, principal602@gmail.com

## DEPARTMENT OF ELECTRICAL AND ELECTRONICS ENGINEERING ACADEMIC YEAR 2019-20

S.No	REGISTER NO	STUDENT NAME	FACULTY GUIDE	PROJECT TITLE
1	620516105002	DEVARAJ K	Mr.K.SATHISH, AP/EEE	AN ANN BASED UPFC CONTROLLER FOR STABILITY ANALYSIS IN FACTS
	620516105003	DHANASEKAR		
	620516105005	GNANASEKAR B		
2	620516105007	GOKULNATH R	Mrs.S.SIYAMALAGAW AP/EEE	SPEED CONTROL OF DC MOTOR USING FUZZY LOGIC
	620516105010	NANDHINI K		
	620516105011	NITHIYAN R		
3	620516105012	PRAVEENKUMAR P	Mr.G.SURESH, AP/EEE	DESIGN AND CONTROL OF SINGLE-PHASE SWITCH MODE BOOST RECTIFIER
	620516105013	RAGUL R		
	620516105015	RANJITH K		
4	620516105019	THANGARASU G	Mr.S.VIVEKANANTH, AP/EEE	SOLAR BASED BATTERY CHARGER
	620516105022	VIDHYAPATHI M		
	620516105023	VIJAYALAKSHMI S		
	620516105024	VISHWARAKSHAIY A M		



*K. Mahadevan*  
Dr.K.MAHADEVAN B.E.,M.E.,Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

## ICT TOOLS

TOOLS USED			
S.NO	STUDENT NAME	THEORY	PRATICAL
1	DATA STRUCTURES	GOOGLE SLIDS	GITHUB
2	OBJECT ORIENTED PROGRAMMING	WINDOWS JOURNAL	PRO PROFS QUIZZES.COM
3	SOFTWARE ENGINEERING	WEB WHITE BOARD GOOGLE CLASSROOM	-
4	COMPUTER NETWORKS	SLIDE SHARE, WINDOWS JOURNAL	GITHUB,SLIDE SHARE
5	OBJECT ORIENTED ANALYSIS	SLIDE SHARE	SLIDE SHARE
	AND DESIGN		
6	CRYPTOGRAPHY AND NETWORK SECURITY	GOOGLE CLASSROOM,QUIZZES.COM	GOOGLE CLASSROOM ASSIGNMENT
7	SERVICE ORIENTED ARCHITECTURE	GOOGLE CLASSROOM	J BOSS SOA PLATFORM,SLIDE SHARE
8	INFORMATION RETRIEVAL	WINDOWS JOURNAL	SQL,MANGODB
9	DATABASE MANAGEMENT SYSTEMS	GOOGLE SLIDES,GOOGLE CLASSROOM	GIT HUB
10	GRID AND CLOUD	WEB WHITE BOARD	-



  
Dr.K.MAHADEVAN, B.E., M.E., Ph.D  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





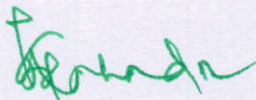
# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003. Tamilnadu, India.  
Contact No: 98433 46065, 84899 10651.

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)

	COMPUTING		
11	ARTIFICIAL INTELLIGENCE	SLIDE SHARE	-
12	MOBILE COMPUTING	WEB WHITE BOARD	GIT HUB
13	COMPILER DESIGN	WINDOWS JOURNAL	SLIDE SHARE
14	DISTRIBUTED SYSTEMS	SLIDE SHARE, PROPROFS QUIZZES.COM	-
15	PROFESSIONAL ETHICS IN ENGINEERING	WEB WHITE BOARD	-
16	INTERNET PROGRAMMING	WINDOWS JOURNAL, PROPROFS QUIZZES.COM	SLIDE SHARE
17	OPERATING SYSTEMS	SLIDE SHARE	COMMAND PROMPT



  
Dr. K. MAHADEVAN, B.E., M.E., Ph.D.  
PRINCIPAL  
CMS COLLEGE OF ENGINEERING,  
NAMAKKAL-637 003





# CMS COLLEGE OF ENGINEERING

(Approved by AICTE, New Delhi and Affiliated to Anna University, Chennai-25)  
CMS Nagar, Eranapuram Post, Namakkal Dt., Pin : 637 003, Tamilnadu, India.  
**Contact No: 98433 46065, 84899 10651.**

Website: [www.cmsgroupofinstitutions.in](http://www.cmsgroupofinstitutions.in) Email: [cmscollegeofengg@gmail.com](mailto:cmscollegeofengg@gmail.com), [principal602@gmail.com](mailto:principal602@gmail.com)



*K. Mahadevan*  
**Dr. K. MAHADEVAN, B.E., M.E., Ph.D**  
**PRINCIPAL**  
**CMS COLLEGE OF ENGINEERING,**  
**NAMAKKAL-637 003**